

Converting Colors

XYZ(28.3047, 14.4740, 23.4948)

Have a look what the booklet for
XYZ(28.3047, 14.4740, 23.4948)
contains.

| | |
|--|----|
| XYZ(28.3032, 14.4731, 23.4921) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(28.3032, 14.4731,
23.4921)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C81485 |
| RGB | 200, 20, 133 |
| RGB Percent | 78%, 8%, 52% |
| CMY | 0.2157, 0.9215, 0.4784 |
| CMYK | 0.00, 0.90, 0.33, 0.22 |
| HSL | 322°, 82%, 43% |
| HSV | 322°, 90%, 78% |
| XYZ | 28.3032, 14.4731, 23.4921 |
| YIQ | 86.7020, 71.0070, 73.3030 |

Conversions

Conversions Part 2

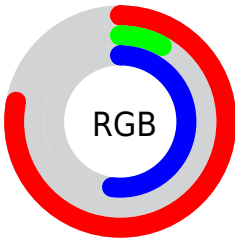
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 200, 20, 133 |
| Decimal | 13112453 |
| CIELab | 44.90, 71.37, -14.95 |
| CIElCh | 45, 72.921, 348.171 |
| Yxy | 14.4731, 0.4271, 0.2184 |
| Android (android.graphics.Color) | 4291302533 (0xFFC81485) |
| YUV | 86.7020, 22.8249, 99.3623 |
| Hunter-Lab | 38.0435, 66.2223, -9.9815 |

Details

The XYZ color **28.3032, 14.4731, 23.4921** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **22.6644, 42.1460, 15.9618**, and the grayscale version is **8.9395, 9.4050, 10.2421**.

A 20% lighter version of the original color is **54.1056, 32.8106, 49.9358**, and **12.5458, 6.2873, 8.7359** is the 20% darker color. If you saturate the color by 10%, you get **27.5569, 13.7747, 20.7948**, and if you desaturate by 10%, it is **29.3455, 15.7050, 26.4682**.

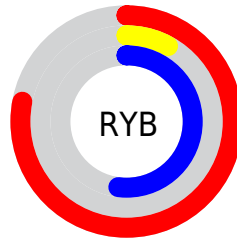
Distribution



Red (78%)

Green (8%)

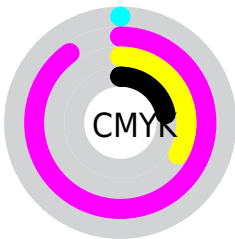
Blue (52%)



Red (78%)

Yellow (8%)

Blue (52%)

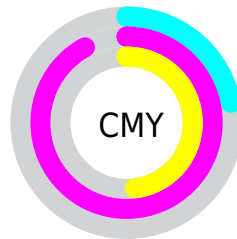


Cyan (0%)

Magenta (90%)

Yellow (33%)

Black (22%)



Cyan (22%)


Magenta (92%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3032, 14.4731, 23.4921 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 28.3032, 14.4731, 23.4921 by changing the saturation by 10% instead.


 28.3032, 14.4731,
23.4921

 28.3032, 14.4731,
23.4921


285.9668,
220.1545, 283.4459


 18.6960, 8.4504,
14.7486


 56.3734, 33.9261,
50.1335

 11.5535, 4.3845,
8.4985

 75.5671, 48.1253,
68.8685


 6.5104, 1.8909,
4.3232


 98.6870, 65.8188,
91.7710

 3.2015, 0.5429,
1.8043

 126.0984, 87.3910,
119.2596

 1.2612, 0.0000,
0.4308

 158.1668,
113.2262, 151.7529

 0.1539, 0.0000,
0.0000

 195.2574,

 0.0000, 0.0000,

143.7090, 189.6693

0.0000

237.7356,
179.2236, 233.4275

■ 28.3032, 14.4731,
23.4921

■ 28.3032, 14.4731,
23.4921

■ 27.5569, 13.7747,
20.7948

■ 29.3455, 15.7050,
26.4682

■ 27.5562, 13.7741,
20.7920

■ 30.7731, 17.6480,
29.7562

■ 32.6344, 20.3977,
33.3757

■ 34.9700, 24.0343,
37.3437

■ 37.8157, 28.6283,
41.6755

■ 41.2037, 34.2430,
46.3850

■ 45.1633, 40.9362,
51.4851

■ 49.7220, 48.7613,
56.9880

■ 54.9050, 57.7684,
62.9051

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.1881, 14.4731, 49.3592



28.3032, 14.4731, 23.4921



27.7755, 14.4731, 7.5776

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.3032, 14.4731, 23.4921



10.4820, 14.4731, 0.5688



7.4400, 14.4731, 55.0642

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.3032, 14.4731, 23.4921



22.6644, 42.1460, 15.9618

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.4862, 14.4731, 28.3745



28.3032, 14.4731, 23.4921



6.8604, 14.4731, 2.4386

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.3032, 14.4731, 23.4921



16.2425, 14.4731, 0.4228



5.3102, 14.4731, 9.9414



11.5376, 14.4731, 74.6812

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.3032, 14.4731, 23.4921



24.8798, 14.4731, 2.9311



5.3102, 14.4731, 9.9414



6.5688, 14.4731, 46.0019

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.3036, 14.4739, 23.4923



73.0250, 62.1189, 82.5408



14.5149, 6.6503, 55.1623



15.1530, 12.4952, 17.0335



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3036, 14.4739, 23.4923



47.5915, 23.8006, 35.3765



24.5250, 12.9624, 3.5941



10.9092, 10.7471, 12.5050



17.5657, 8.7758, 13.4548



0.8659, 0.4292, 0.8172

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.3036, 14.4739, 23.4923



47.5915, 23.8006, 35.3765



28.7800, 44.5923, 48.1661



10.9092, 10.7471, 12.5050



17.5657, 8.7758, 13.4548



0.8659, 0.4292, 0.8172

Previews

White Background



This preview shows how the XYZ color 28.3032, 14.4731, 23.4921 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.3032, 14.4731, 23.4921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

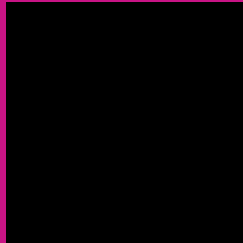
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3032, 14.4731, 23.4921

Background



This preview shows how black text looks on a background with the XYZ color 28.3032, 14.4731, 23.4921.



This preview shows how white text looks on a background with the XYZ color 28.3032, 14.4731,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.3032, 14.4731, 23.4921

Protanopia

16.7272, 15.0736, 49.6048

Deuteranopia

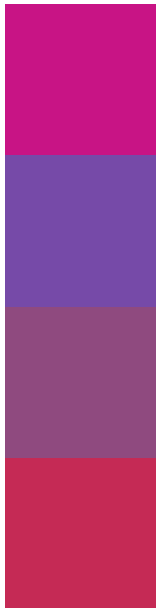
15.1201, 14.8734, 21.1427



Tritanopia

24.6104, 14.6299, 5.3976

Trichromacy



Original Color

28.3032, 14.4731, 23.4921

Protanomaly

16.9879, 11.5763, 38.3849

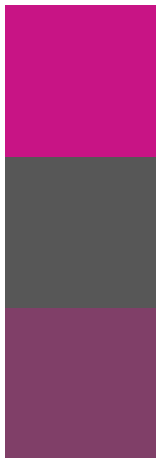
Deuteranomaly

17.6072, 12.2695, 21.5189

Tritanomaly

25.4936, 14.1821, 9.9881

Monochromacy



Original Color

28.3032, 14.4731, 23.4921

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

13.1783, 9.1437, 14.1670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3032, 14.4731, 23.4921 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(200, 20, 133)` looks like.

```
.text, #text, p{  
    color:rgb(200, 20, 133)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(200, 20, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 20, 133) }
```

Border

The CSS property to change the border of an element to XYZ 28.3032, 14.4731, 23.4921 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(200, 20, 133) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(200, 20, 133) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(200, 20, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 20, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 20, 133);  
box-shadow:4px 4px 4px 4px rgb(200, 20,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3032, 14.4731, 23.4921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 20, 133) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(200, 20,  
133) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor